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Show your Brighter Side
The Acer Projector family

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Acer ColorBoost technology

Acer ColorBoost technology provides optimized colour performance tailored for life-like pastel images – the most commonly used in all applications and images – and delivering a more enjoyable viewing experience.

Acer ColorBoost technology

- **OPTIMIZED COLOUR-WHEEL DESIGN**
A 6-segment colour wheel with Acer's unique colour deployment maximizes both colour and brightness, and reduces the rainbow effect.

- **ADVANCED LAMP TECHNOLOGY**
Better lamp illumination for enhanced colours.

- **POWERFUL IMAGE PROCESSING**
A powerful image processor minimizes dithering artifacts.



How Acer ColorBoost technology works

Optimized 6-segment colour-wheel design

Lifelike colour reproduction

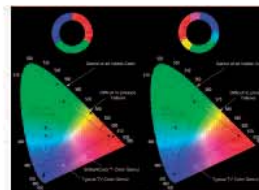
Most DLP® projectors render images using a traditional colour wheel with 3 primary colors: red, green, blue.

The combination of these 3 colours allows only colours within the triangular region bounded by those 3 colours to be displayed, making it difficult to show brilliant yellows and cyans that are commonly found in natural scenes.

Maximized colour and brightness

The colour, number of segments, and angles of each colour are designed to suit all usage scenarios, ensuring that colours are projected as precisely as possible in any environment.

Acer's 6-segment colour wheels diminish the rainbow effect by reproducing colours at double the frequency rate of 3- or 4- segment colour wheels.



*on selected models

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Acer Projectors

Vivid graphics for more effective learning



Enhanced details for better viewing



Precise presentation of graphics



Large enterprises, small businesses, mobile professionals, educational institutions and of course home users have different demands and expectations from their projectors. Each has its own priorities that range from compact precision and lightweight portability to versatile connectivity and high-definition performance.

Acer's family of projectors was designed from the ground up with the latest lens technology for ultra-high brightness, enhanced colour performance and high contrast ratios in any environment while retaining the advanced, user-friendly and dependable technology the Acer name is renowned for the world across.

The Acer projector family includes the Acer Professional Series, Acer Travel Series, Acer Value Series and the Acer Home Series, each designed to deliver the very best combination of technology, value and versatility for an excellent viewing experience.

**P5260E
P5260i
P5270
P5280**

8



10 **P5370W**

PD323

6



**P7270i
P7280**

12



**P1165
P1265**

14



18

H5350



16

**X1160
X1260**



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Acer PD323 Projector

For professionals on the move, the Acer PD323 is the perfect projector choice. Slim, compact and easy to handle, the Acer PD323 weighs just 1.3 kg yet offers 2,000 ANSI Lumens and comprehensive connection options. What's more, the lightning-fast startup and shutdown times allow users to start projecting and then pack up and hit the road within seconds of pressing the power button.



Acer PD323 Projector

- DLP® projection system for seamless images and more vivid, true-to-life colours.
- Weighing just 1.3 kg, the Acer PD323 is delightfully easy to carry.
- Best-in-class brightness at 2,000 ANSI Lumens.
- Flexible 4:3 and 16:9 aspect ratio selection.
- Lightning-fast start-up and shutdown times for maximum mobile performance.
- Comprehensive input-signal support includes VGA, NTSC, PAL, SECAM and HDTV.
- Composite, S-Video, component and D-sub connectivity ensure easy connection to a wide range of devices, like PCs, notebooks, DVD players or game consoles.
- Password protection against unauthorized use and theft.
- Economy mode uses less power and reduces noise.



empowering technology

Engineering Technology
eTimer

Engineering Technology
eOpening

Engineering Technology
eView

Brightness
2000 ANSI

Contrast Ratio
2000:1

Resolution
XGA

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Acer **P5260E - P5260i - P5270 - P5280** Projectors

- DLP® projection system for seamless images and more vivid, true-to-life colours.
- Advanced Acer ColorBoost technology with 6-segment colour wheel delivers more lifelike images.
- Native XGA (1024 x 768) resolution, and up to WSXGA (1680 x 1050) format support via Acer SmartFormat technology for sharp, crisp details.
- Unique, elegant design with stylish surface, soft texture and smooth rounded curves portrays cool sophistication.
- Up to 3500 ANSI Lumens brightness and a up to 2100:1 contrast ratio project crystal clear images from a long distance on a large screen.
- DVI-I and D-Sub ports support HD digital/analogue and HDCP signals.
- Lamp life of up to 5000 hours in Economy Mode.
- PIN security protects the projector from unauthorized use and theft.
- Digital zoom and pan allows images to be magnified and moved with ease.
- Built-in speaker enhances presentations and video entertainment audibility.



empowering technology

Powering Technology eTimer	Powering Technology eOpening	Powering Technology eView	Brightness 2700 ANSI	Brightness 3000 ANSI	Brightness 3500 ANSI	Contrast Ratio 2000:1	Contrast Ratio 2100:1
Resolution XGA	Blackboard Mode	Digital Connectivity DVI	Video Connectivity HDMI	Auto Shutdown OFF	Quick Start Start	Quick Detection	
Security PIN	Wireless HD Wireless	Instant Pack	Keystone Correction 40°	Top-Loading Lamp			

acer

Acer **P5260E - P5260i - P5270 - P5280** Projectors

The Acer P5 Series is perfect for medium-sized meeting rooms. Featuring a native 1024x768 XGA resolution with support for up to 1680 x 1050 WSXGA+ format, up to 2100:1 contrast ratio and a brightness of 3000Lumens up to 3500Lumens, it can project high-quality, ultra-sharp presentations up to 12 metres. Silent, flexible and fully HDCP compliant, the Acer P5 Series brings high-definition to your business world.

10 Acer P5370W Projectors

The Acer P5370W is supremely versatile large-venue projector featuring wide-format, native WXGA resolution, making it ideal for widescreen video and heavily detailed, dual-screen PowerPoint presentations. The Acer ColorBoost Technology guarantees images even in poor lighting conditions while a 2000:1 contrast ratio ensures even the smallest detail is clear for all to see.



Acer P5370W Projectors

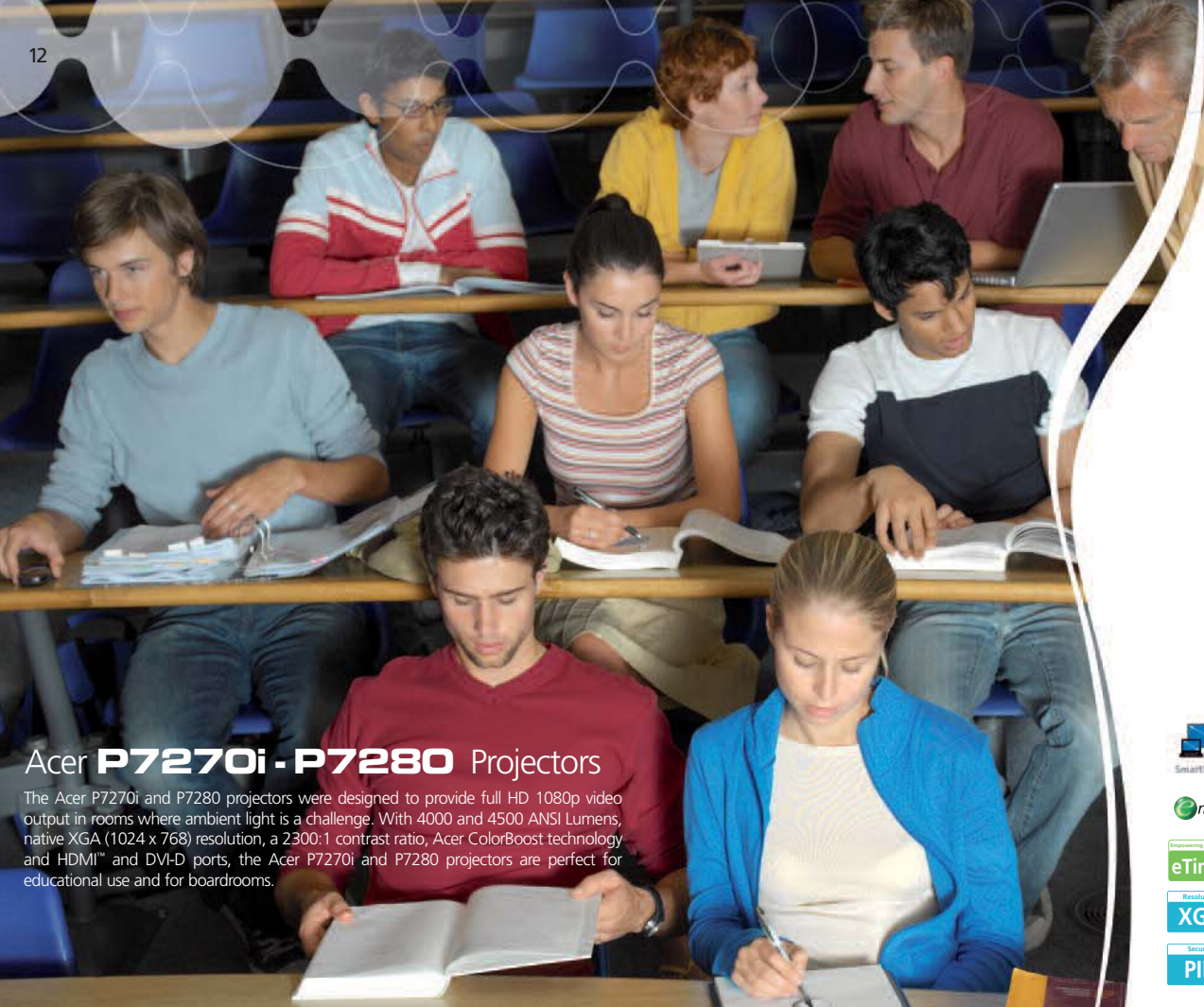
- DLP® projection system for seamless images and more vivid, true-to-life colours.
- Acer ColorBoost technology brightens images by over 50 percent.
- Native WXGA (1280 x 768) resolution makes highly detailed graphics and text more visible.
- 3000Lumens brightness making it ideal even in large, bright conference rooms.
- 6 segment colour wheel with extra yellow and cyan filters enhances colour saturation for more accurate images.
- HDMI™ port for easy connectivity to high-quality digital HD sources.
- DVI-I and D-Sub ports support HD digital/analogue and HDCP signals.
- Empowering Key for one-touch access to Acer Empowering Technology.
- PIN security protects the projector from unauthorized use and theft.
- Super silent operation in Economy Mode, for disturbance-free operation.



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Acer P7270i - P7280 Projectors

The Acer P7270i and P7280 projectors were designed to provide full HD 1080p video output in rooms where ambient light is a challenge. With 4000 and 4500 ANSI Lumens, native XGA (1024 x 768) resolution, a 2300:1 contrast ratio, Acer ColorBoost technology and HDMI™ and DVI-D ports, the Acer P7270i and P7280 projectors are perfect for educational use and for boardrooms.

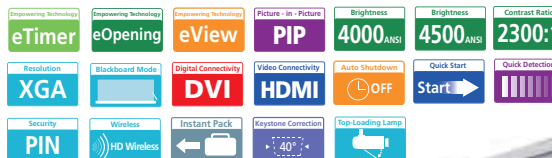


Acer P7270i - P7280 Projectors

- DLP® projection system for seamless images and more vivid, true-to-life colours.
- 6-segment colour wheel with Acer ColorBoost and SmartFormat technologies for more lifelike images.
- Native XGA (1024 x 768) resolution for brilliant images.
- Compatible with HDTV (720p, 1080i, 1080p) video projection.
- 4000 and 4500 ANSI Lumens brightness and a 2300:1 contrast ratio for crystal clear images from any distance in any light.
- 802.11b/g wireless technology (P7270i) for instantaneous transmission of HD video and audio in any room or viewing environment.
- Picture-in-Picture (PIP) feature for simultaneous projection of more than one input source.
- Built-in speaker.
- Empowering Key for one-touch access to Acer Empowering Technology.
- HDMI™ port delivers uncompressed video and audio signals.
- DVI-I and D-Sub ports support HD digital/analogue and HDCP signals.
- A low 27 dBA noise level (29 dBA - P7280) ensures clearly audible presentations.
- PIN security protects the projector from unauthorized use and theft.



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Acer P1165 - P1265 Projectors

With native SVGA and XGA resolutions, 2400 ANSI Lumen, a 6-segment colour wheel and both digital and analogue connectivity options, the Acer P1165 and P1265 Projectors are ideal for classroom environments where cost-efficient reliability, smoother and crisper images, picture-perfect precision and flexible connectivity are essential.



Acer P1165 - P1265

Projectors

- DLP® projection system for seamless images and more vivid, true-to-life colours.
- Native SVGA (P1165) and XGA (P1265) resolution for superb image playback.
- 6-segment colour wheel with Acer ColorBoost and SmartFormat technologies for more lifelike images.
- 2400 ANSI Lumens brightness and a 2000:1 contrast ratio project crystal clear images from any distance.
- Lamp life of up to 4,000 hours in Economy Mode.
- Digital zoom and pan allows details to be magnified and moved with ease on the screen.
- Built-in speaker.
- Empowering Key for one-touch access to Acer Empowering Technology.
- DVI-D and D-Sub ports support HD digital/analogue and HDCP signals.
- 24dB in Eco Mode only.
- PIN security protects the projector from unauthorized use and theft.



Empowering technology

eTimer <small>Empowering Technology</small>	eOpening <small>Empowering Technology</small>	eView <small>Empowering Technology</small>	2400_{ANSI} <small>Brightness</small>	2000:1 <small>Contrast Ratio</small>
SVGA <small>Resolution</small>	XGA <small>Resolution</small>	Blackboard Mode <small>Resolution</small>	Auto Shutdown <small>OFF</small>	Quick Start <small>Start</small>
Quick Detection <small>Security</small>	PIN <small>Security</small>	Top-Loading Lamp <small>Security</small>		

Acer X1160 - X1260 Projectors

The Acer X1160 and X1260 projectors were designed to make entertainment simple for the whole family. Equipped with a brand new 6 Colour-wheel design and Acer ColorBoost colour enhancement technology, these stylish DLP® projectors deliver vivid, life-like images and an entirely new level of colour performance.



Acer X1160 - X1260

Projectors

- DLP® projection system for seamless images and more vivid, true-to-life colours.
- ColorBoost technology delivers vivid and life-like pastel images.
- 6 Colour-wheel for an entirely new level of colour performance.
- Empowering Key for one-touch access to Acer Empowering Technology.
- 2000 ANSI Lumens brightness and a 2000:1 contrast ratio project crystal clear images.
- 4000hours lamp life for both models.
- Support for NTSC, PAL, SECAM, HDTV, EDTV and SDTV input types.
- Empowering Key for one-touch access to Acer Empowering Technology.
- Acer InstantPack technology allows the user to pack the projector and leave immediately after powering down.



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18 Acer H5350 Projectors

The Acer H5350 has been designed to bring high-definition home entertainment to life. Featuring a 6-segment colour wheel, the new Acer ColorBoost and SmartFormat Technologies and a native resolution of 1280 x 720 and HDMI input, this special HC projector delivers fast-paced sports, cinema or even home movies with precise smoothness, enhanced colour, and super-fine detail.



Acer H5350 Projectors

- DLP® projection system for more vivid, true-to-life colours.
- Native 720p resolution (1280x720) displays exquisite imagery and is ready for HDTV or HD video entertainment.
- The Acer ColorBoost technology enables higher picture brightness while providing truer, more vibrant colors with more than a 50% increase in mid-tone image brightness.
- 6-segment colour wheel with additional yellow and cyan segments for better saturation and close to reality colours.
- The Acer's new 6-segment colour wheels diminish the rainbow effect by reproducing colours at double the frequency rate of 3- or 4- segment colour wheels.
- 2000:1 contrast ratio projects sharper, finer images that are pleasing to watch.
- Multiple aspect ratio options for maximum viewing comfort.
- Versatile AV inputs including HDMI, Component, S-video and Composite video.
- Super silent operation in Economy Mode, for disturbance-free entertainment.
- Lamp life of up to 4,000 hours in Economy Mode.
- The elegant white new housing complements any home environment.



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Acer Projector Empowering Technology

Put your best features on display with Empowering Technology for Projectors, designed to make the use of any Acer projector easy and trouble-free. Just one press of the Empowering Technology button gives instant access to simple setup, viewing and timer utilities, making you more productive and helping get the right message across first time, every time.

Acer eView Management

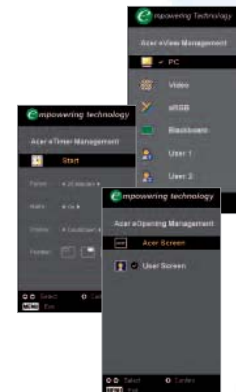
Acer eView Management provides one-step setup of a range of pre-set and customizable display profiles for optimum viewing pleasure under any lighting condition.

Acer eTimer Management

Acer eTimer Management provides a handy OSD timer to keep users on time. Complete with countdown capabilities, Acer eTimer Management puts precision into your finest presentations.

Acer eOpening Management

Acer eOpening Management allows the start-up and standby screens to be personalised with any number of stored images at the touch of a button.



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Glossary

ANSI	Abbreviation for American National Standards Institute. ANSI is an American organisation (member of the ISO), which produces uniform regulations/standards and monitors their compliance. ANSI standards are recognised worldwide. The standards for calculating display screen brightness in lumens are particularly interesting for projection technology.	Electronic Scaling	If a data video projector detects a computer mode that doesn't equate to the original resolution of the projector, it converts the mode. The aim is usually to achieve a display that fills the largest possible area of the screen or monitor. Data video projectors for business use often provide the comfort feature of recalculating the mode so that the display quality remains optimal.
AutoScan	This function automatically synchronises the data video projector with the display screen mode of the computer and at the same time corrects the tracking (frame width) and H-phase (fine adjustment for optimum frame width).	Freeze	Also known as "Still Picture", the "Freeze" function allows the presenter to freeze-frame their presentation on the projector, allowing the audience to see only that slide, while the presenter can successfully toggle their documents on the PC desktop. When ready, the presenter can depress the freeze function and continue the presentation.
Brightness	All manufacturers are fighting to increase the brightness of the projected image. Brightness is measured in terms of "ANSI Lumens" and the brightest machines command a premium price. Projectors in the range 300-600 lumens are best used away from direct daylight and with no office lighting. Units in the range 600-1,000 lumens can be used in most office condition away from direct sunlight. Units above 1,200 lumens are ideal for larger offices and conference rooms. No projector can really compete against direct sunlight!	Empowering Technology	The Acer Empowering Key on the remote control or the projector control panel offers a quick, easy way to access Acer Empowering Technology tools: Acer eView Management allows users to select the optimal display mode depending on the content type. Acer eTimer Management lets the user set a timer function during presentations. A timer and reminder are displayed on the screen, and an alarm sounds when time is up. Acer eOpening Management encourages users to select their own projector startup image, such as a company logo or personalized picture.
Cinch	Cinch connections are used for sound and video transmissions. The cinch socket for video is often marked with a yellow ring. The connections for the left-hand/right-hand sound channel are usually white and red respectively.	HDCP	(High Bandwidth Digital Content Protection) is the copy protection system for the new DVI and HDMI digital video interfaces. To ensure problem-free functioning of the DVI and HDMI interfaces for video data, HDCP must be correctly implemented by the manufacturer in both connected devices.
Component video	Component video is the most common type of high-quality signal available today. While a composite cable carries the entire video signal on a single cable, component video cables split the signal in three. This connection gives a much better image than do composite or S-video connections; the projector you buy should have at least one of these inputs.	HDMI	(High Definition Multimedia Interface) is a interface for fully digital transmission of audio and video data. HDMI was developed by the industry specifically for the home entertainment segment, which is seeing the increasing use of digital components and in which software is also increasingly available in primarily digital form (e.g. DVD, DVB, BluRay etc.).
Contrast	Contrast attracts less attention but is important. Contrast measures the difference in light intensity between the dark and light areas of the screen. A high contrast figure is best; typically data projectors work in the range 150 to 400. DLP® technology units tend to produce a higher contrast image.	HDTV	Abbreviation for High Definition TeleVision. This technique transmits high definition television pictures (1,000 to 1,200 lines).
DLP®	DLP® stands for Digital Light Processing™. It is a digital, reflective technology, which was developed by Texas Instruments. Digital projection provides an imaging quality that satisfies the highest standards. These include natural colours, even graphic display. Data is displayed without colour convergence problems, as the technology manages with only one transmitter.	Keystone	If the presentation device projects upwards at an angle to the screen (not at right angles), the image is distorted in a trapezium form. Modern data video projector electronics can be used to correct the distortion. The image points/pixels are compressed and the image is slightly reduced in size. Also called trapezium correction.
DVI	(digital video interface) is an interface for transmitting digital video and graphic data. It was developed by the computer industry for high-end graphic cards and high-resolution TFT displays to a standard interface. DVI is fully upward compatible with HDMI.	Kensington Lock	The Kensington Lock is a universal security system, which is often used for data video projectors (beamers), notebooks and laptops. It consists of a steel cable with a lock, which is passed around an immovable object and then inserted into a corresponding interface of the product to be secured.
Eco-Mode	High-efficiency feature that doubles lamp life while providing quieter operation. This smart innovation saves money and eliminates the hassle of frequent lamp replacement.	Interlaced	In video terms, a playback system which first draws in alternate lines sequentially, then fills in the remaining information. The opposite is non-interlaced or progressive.

Luma/Lumen	Projector brightness is measured in ANSI lumens. Front projectors start as low as 1,000 lumens and can reach an output of more than 2,500 lumens.	RS 232C	Abbreviation for Recommended Standard 232-C. An interface that is used for serial data transmission. Modern data video projectors can be integrated in larger systems and operated via an external control unit. This control unit is connected to the RS232 interface of the projector.
Native Resolution	Video projectors featuring DLP® technology come with both standard (4:3) and wide screen (16:9) "native" resolutions. In other words, the chip inside the projector, which is like a miniature version of the image it helps create, is shaped in the specified 4:3 or 16:9 dimension. Most projectors can switch between 4:3 and 16:9 ratios—you will see black bars either on the sides or top and bottom of your projected image when they do so. If you will be using your projector for standard TV, HDTV and DVDs, make sure your projector can switch between these modes.	SHP lamp	The abbreviation stands for Super High Performance. It is a new type of metal vapour lamp that e.g. is used in data video projectors. SHP lamps produce a lot of light but consume little energy and provide a colour temperature similar to that of daylight.
Noise Level	Amount of noise emitted from projector. Lower numbers mean less noise is generated. A very soft whisper is approximately 30 dB.	UHB / UHP	UHB stands for Ultra High Brightness, UHP for Ultra High Pressure. This is a modern type of lamp that is particularly powerful, however consumes little energy. This lamp is increasingly being used for data video projectors.
OSD	Abbreviation for On-Screen Display. Also called Menu Assistance. The image parameters of a data video projector can be set using a menu window.	USB	Abbreviation for Universal Serial Bus, a standard interface for many Apple-Macintoshes and PCs. Hardware components are automatically detected and configured by the computer and are therefore ready for use immediately.
Plug & Play	A term that is also popular in data video projection. Plug & Play projectors communicate directly with the computer connected to them and synchronise themselves automatically. The user only has to connect the cables and switches the appliances on so that they are ready for presentation.	SVGA	Abbreviation for Super Video Graphics Adapter or Super VGA. Display screen standard with a resolution of 800 x 600 pixels.
Rainbow effect	Rainbow effect (or colour separation) can be caused by the spinning colour wheel used in single chip DLP projectors, where the image is created by one DMD (Digital Mirror Device) and the colour is added by shining the reflected light through a spinning multi-segment colour wheel. By using DLP Technology, projectors can be made lighter in weight and smaller in design while also producing contrast ratios of up to 2000:1 and beyond. Rainbow effect can be seen in varying degrees from person to person and manifests itself by the appearance of a coloured shimmer on the following edge of moving images, partially in high contrasting scenes. To overcome this minor problem some manufacturers have developed faster spinning and more segmented colour wheels.	S-Video and Composite Video	Nearly all projectors featuring DLP® technology will have at least one composite and one S-video connection. S-video cables differ from composite cables in that they split the video signal into two different components, luminance and chrominance, resulting in a significantly better image than a composite cable can provide.
Resolution	Digital images are made up of a number of individual points or dots, which are called pixels and the number of pixels varies depending on the graphic card and software. Resolution is given in pixels. To ensure the best picture quality, you can adjust your laptop's resolution setting to match the projector's native resolution.	XGA	Abbreviation for Extended Video Graphics Adapter. A display screen standard with a resolution of maximum 1,024 x 768 pixels. It is currently the most common business standard.
RGB	Abbreviated form of additive colour mixture (Red, Green, Blue). Data video projectors use the RGB colour model and make up all colours from the primary colours red, green and blue.	VGA UXGA	Abbreviation for Video Graphics Adapter or Video Graphics Array. Display screen standard with a resolution of 720 x 400 pixels in text mode and 640 x 480 pixels in graphic mode. Abbreviation for Ultra extended Graphics Array. Display screen standard with a resolution of maximum 1,600 x 1,200 pixels.